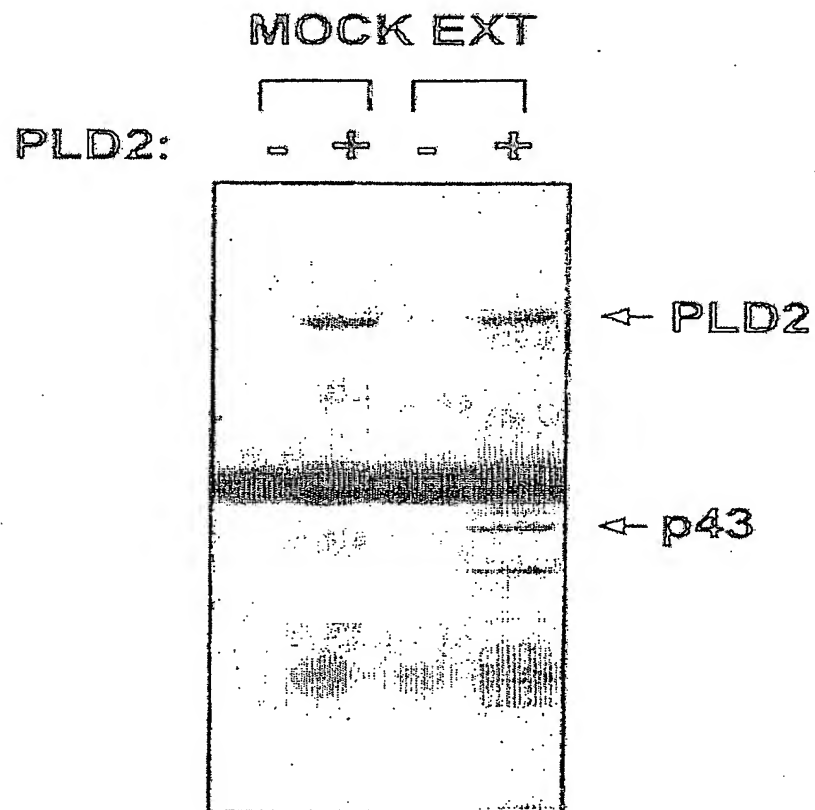


1/28

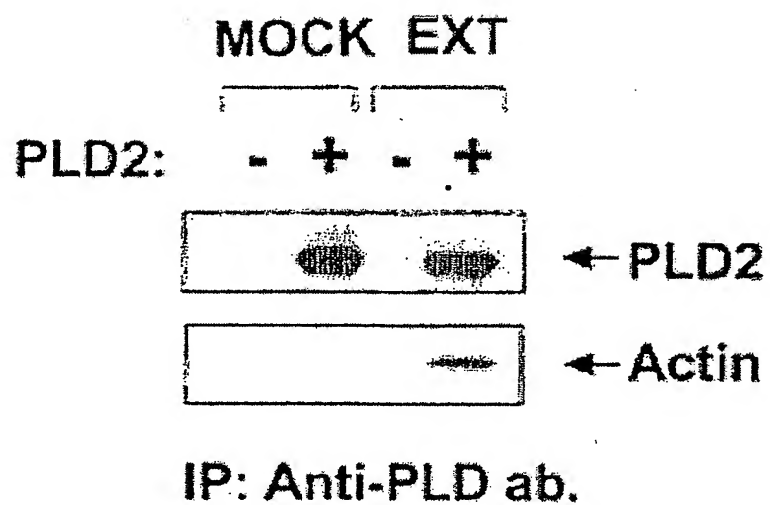
FIG. 1



BEST AVAILABLE COPY

2/28

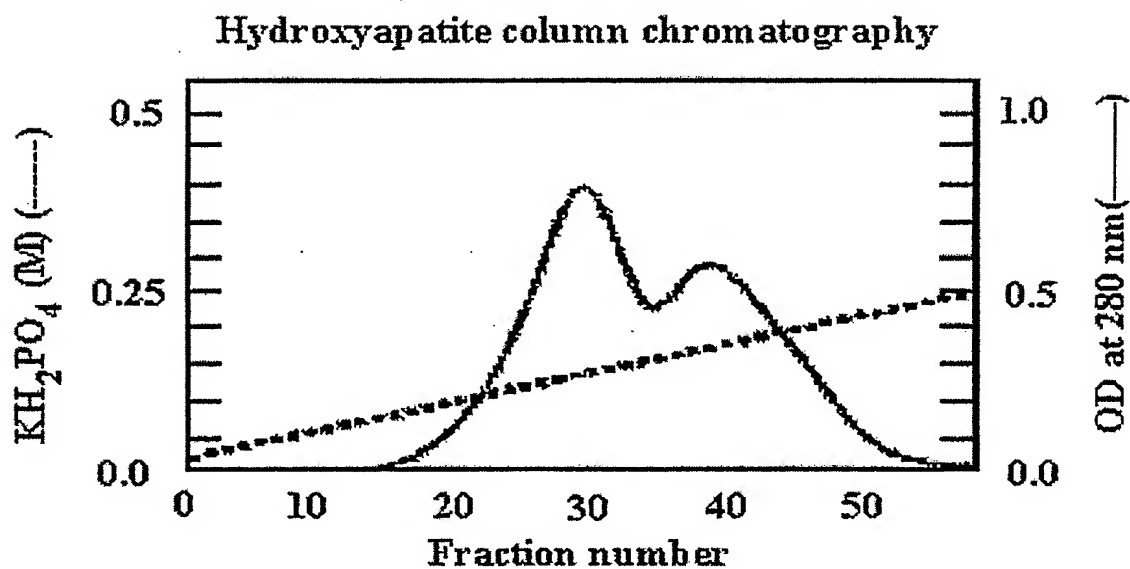
FIG. 2



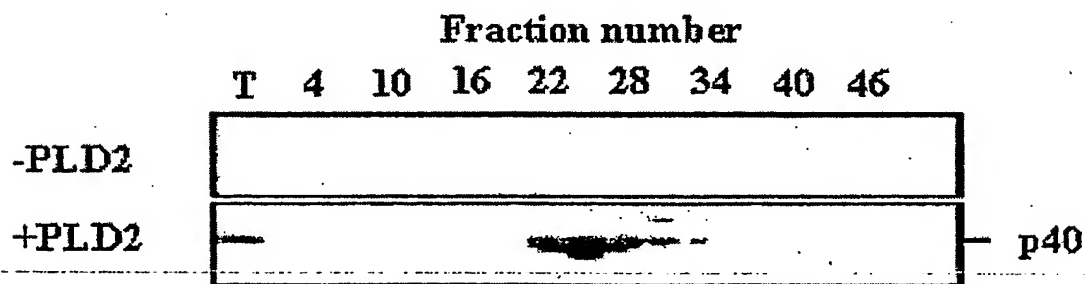
3/28

FIG. 3A

A

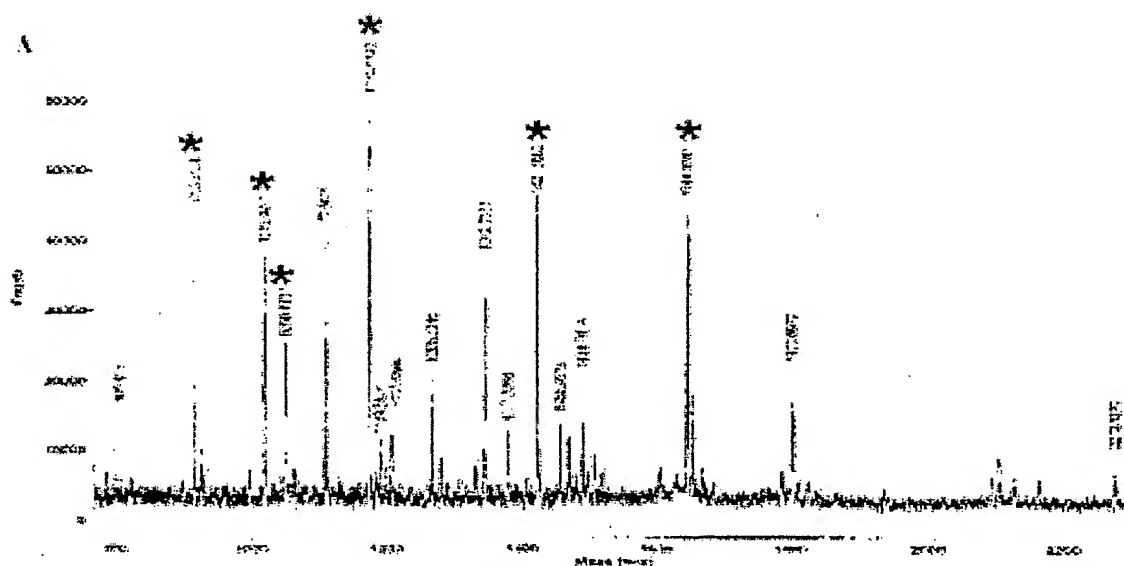


B



4/28

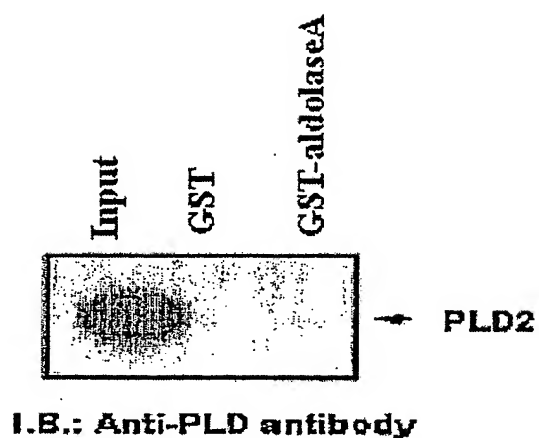
FIG. 3B



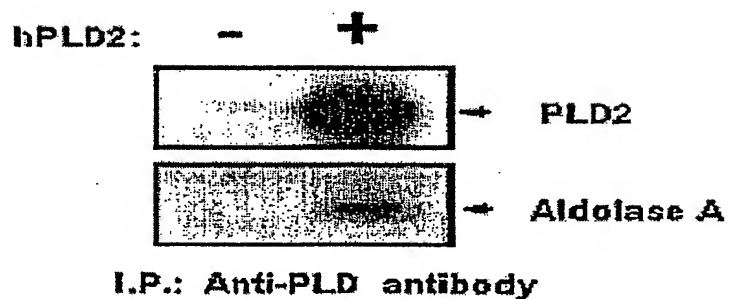
5/28

FIG. 4

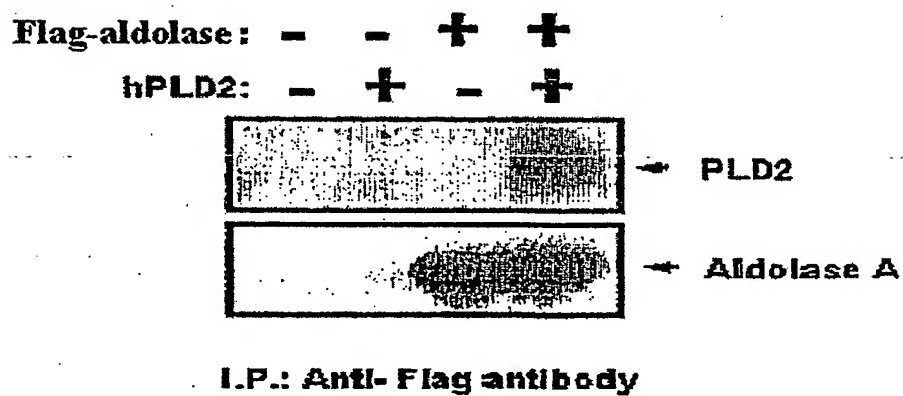
A



B

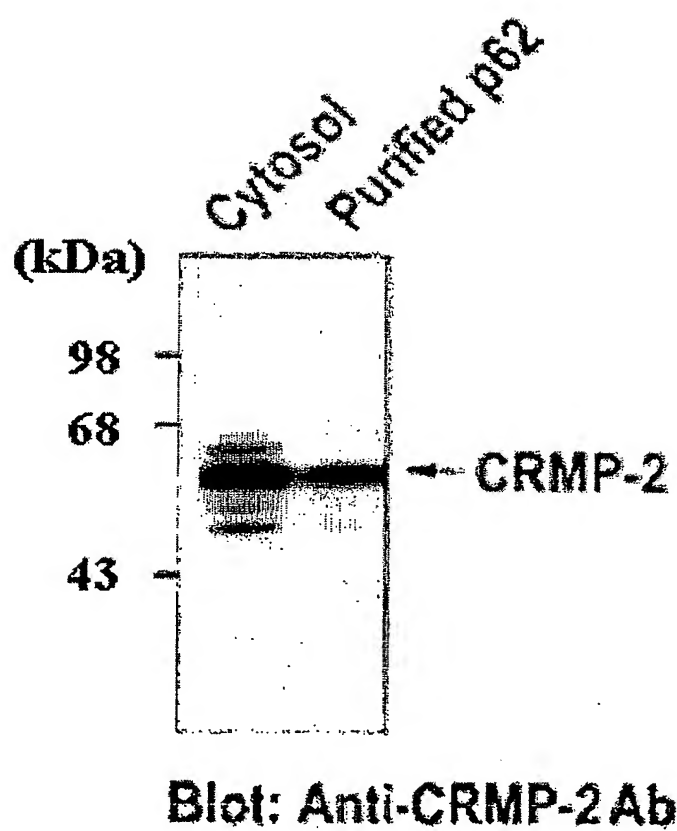


C



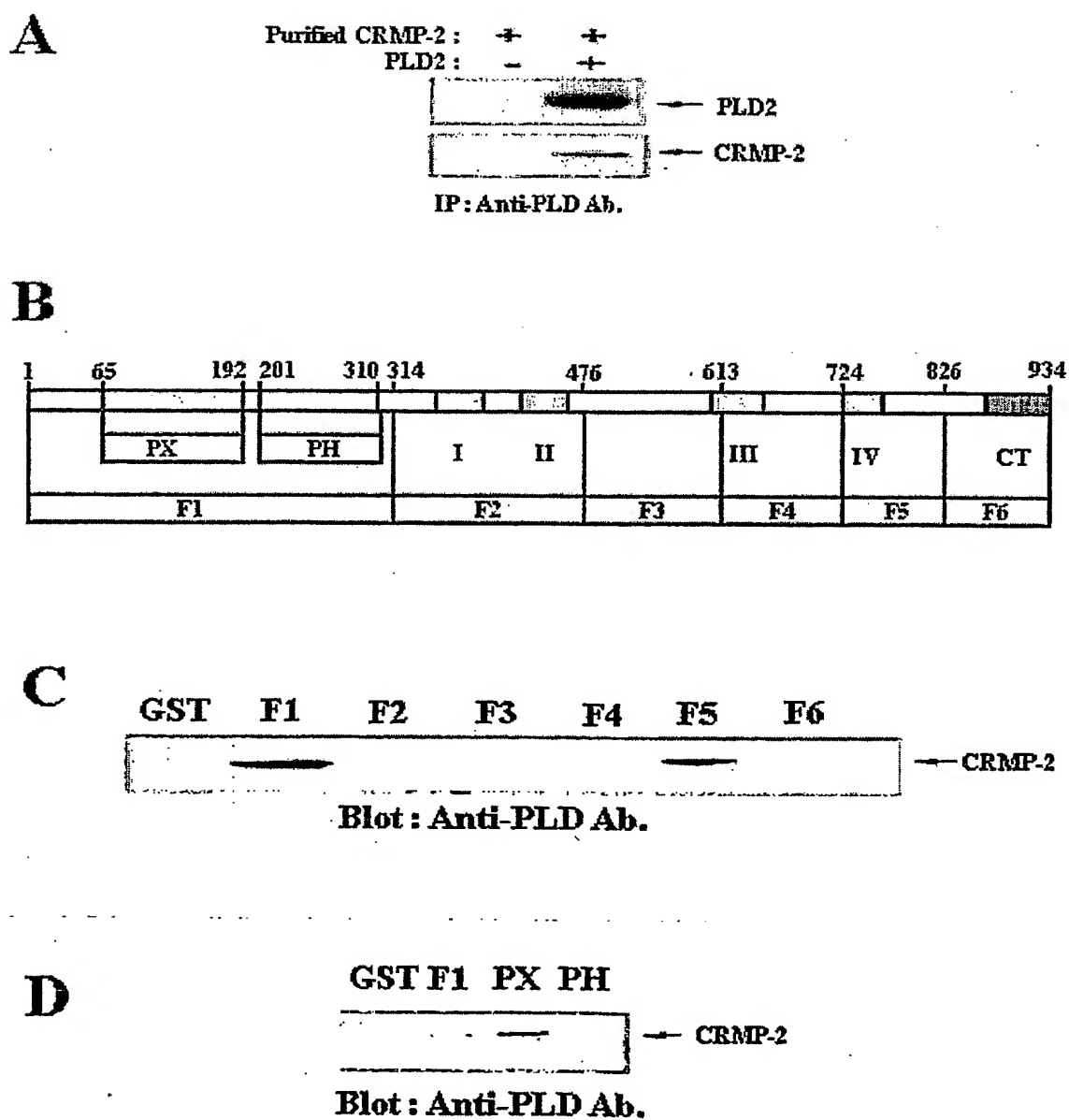
6/28

FIG. 5



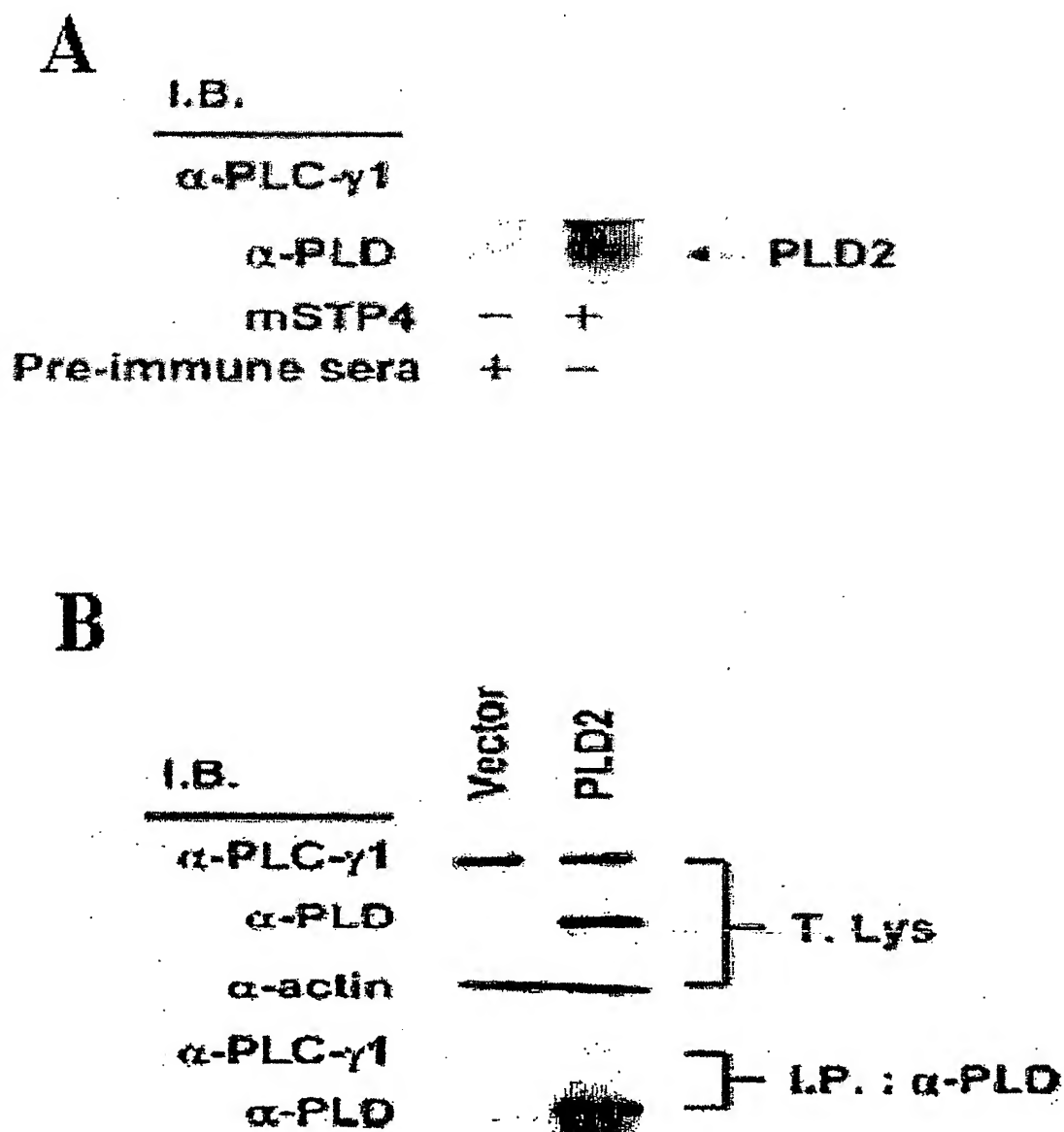
7/28

FIG. 6



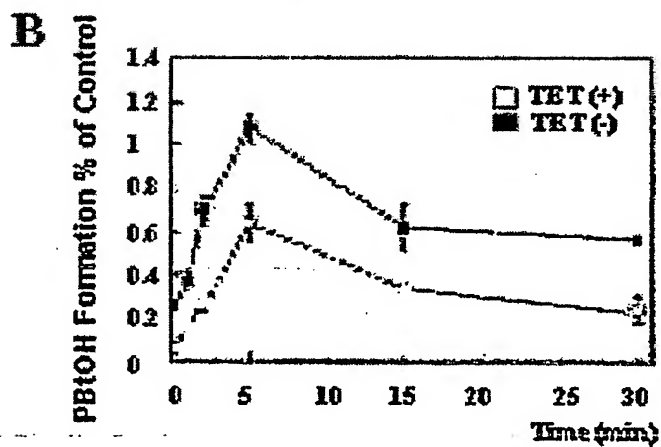
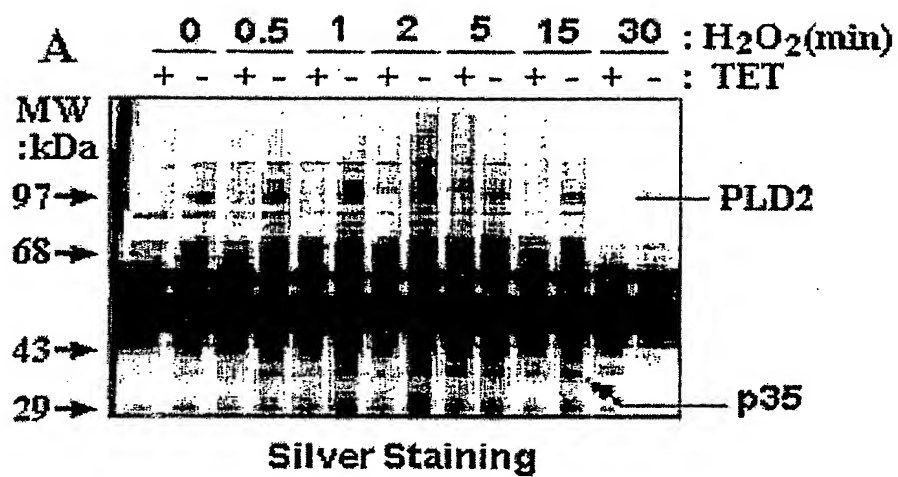
8/28

FIG. 7



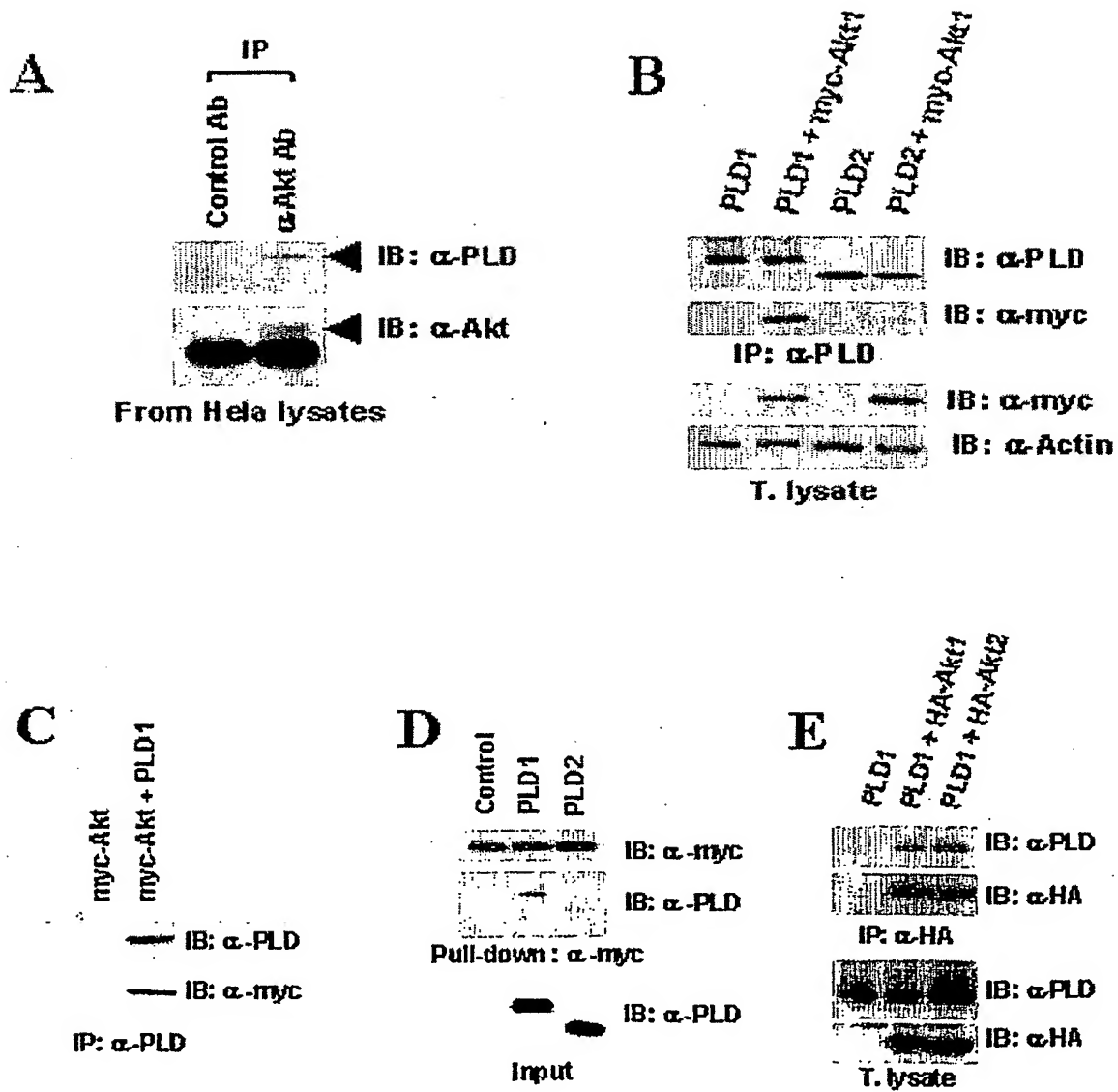
9/28

FIG. 8



10/28

FIG. 9



11/28

FIG.10

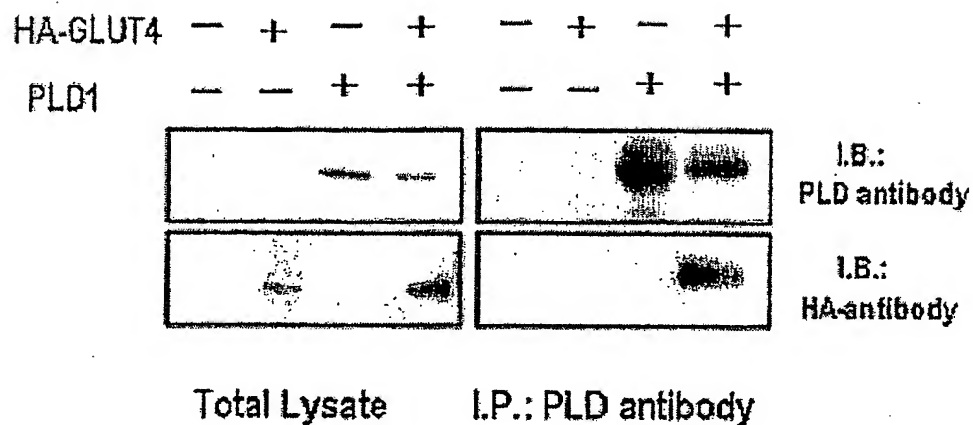
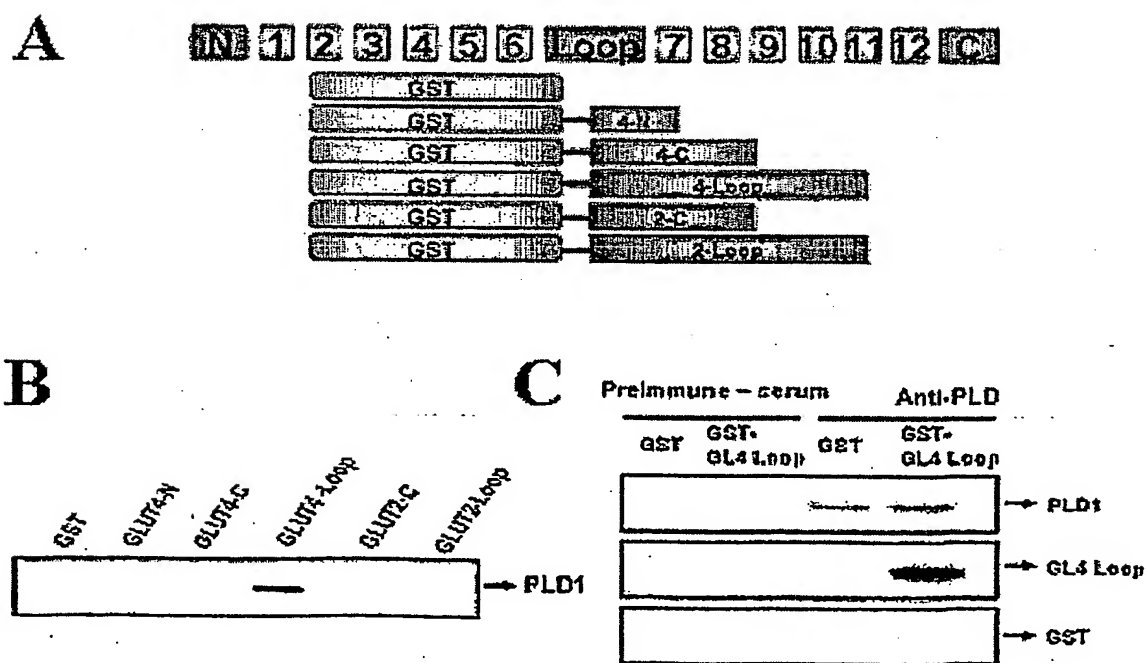
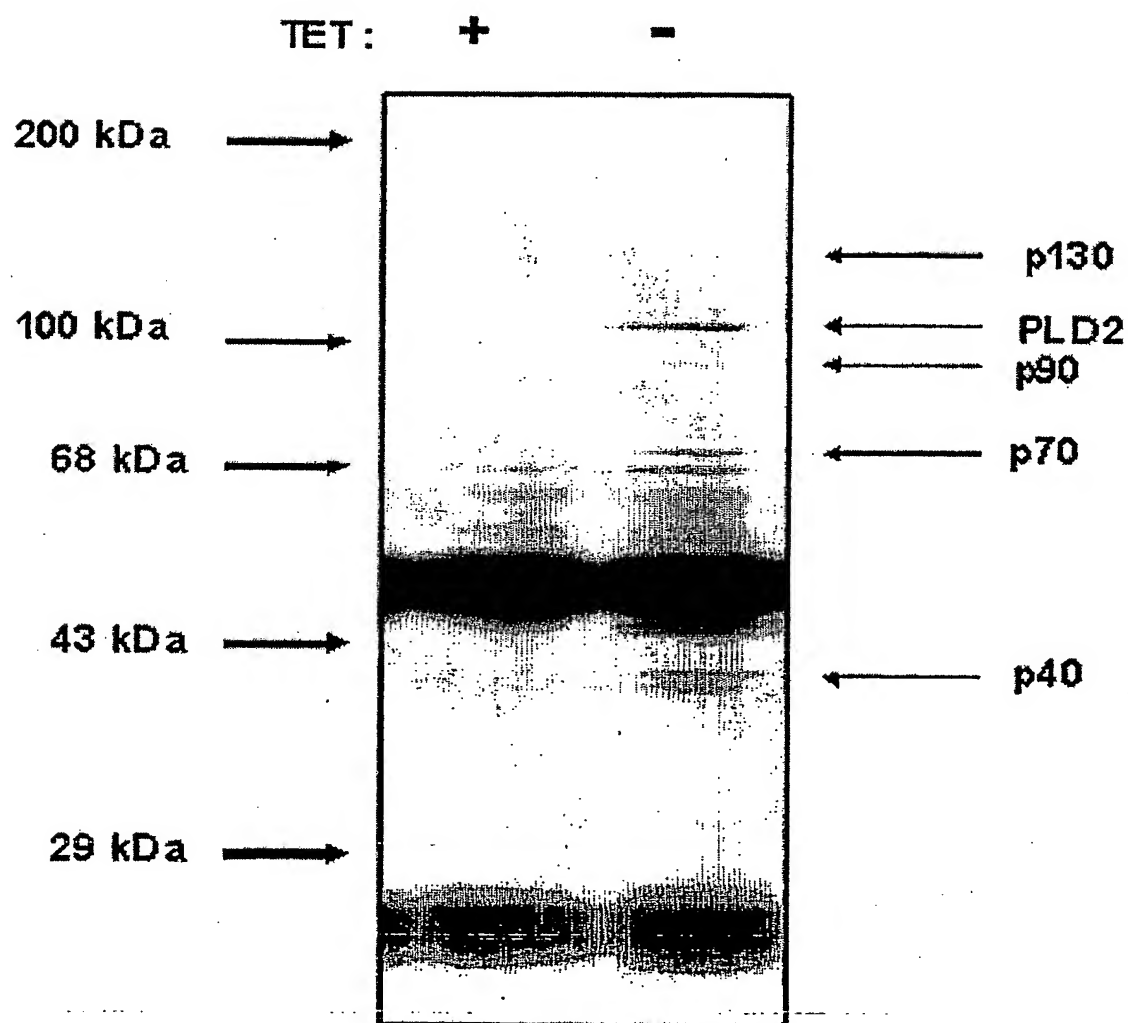


FIG.11



12/28

FIG.12



13/28

FIG.13

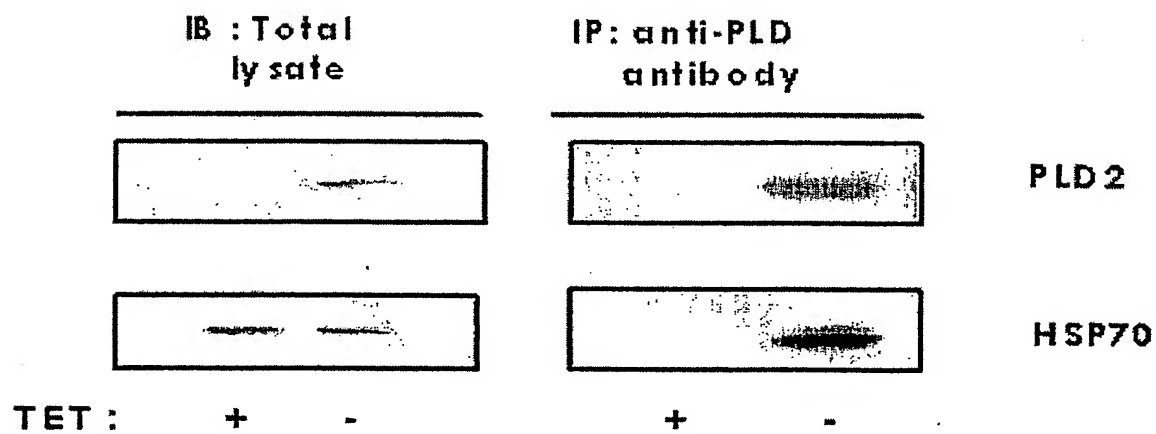
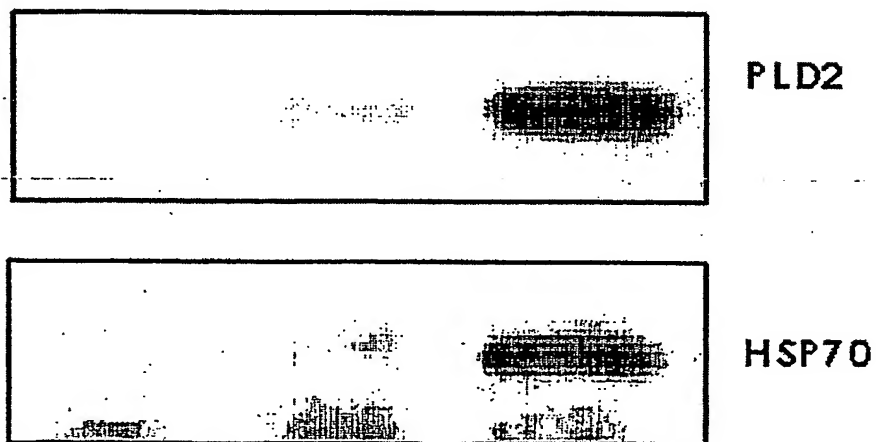


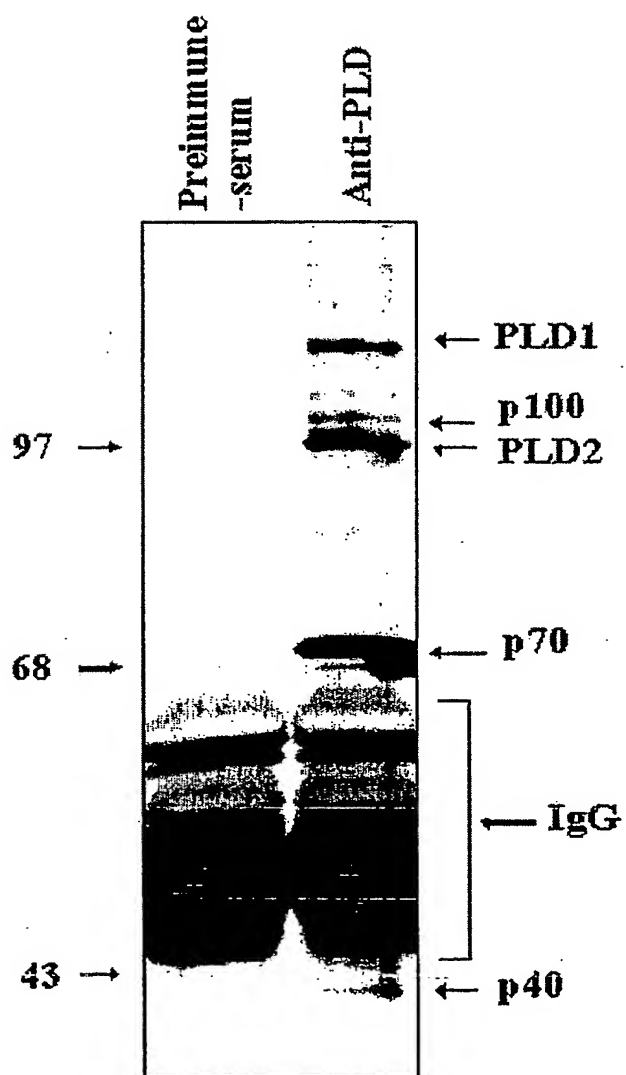
FIG. 14

PLD2: 0 0.05 0.2 (μg)



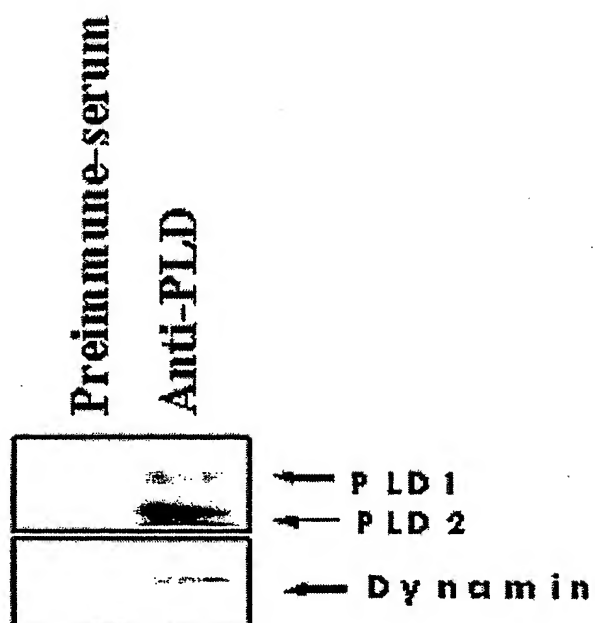
14/28

FIG. 15A



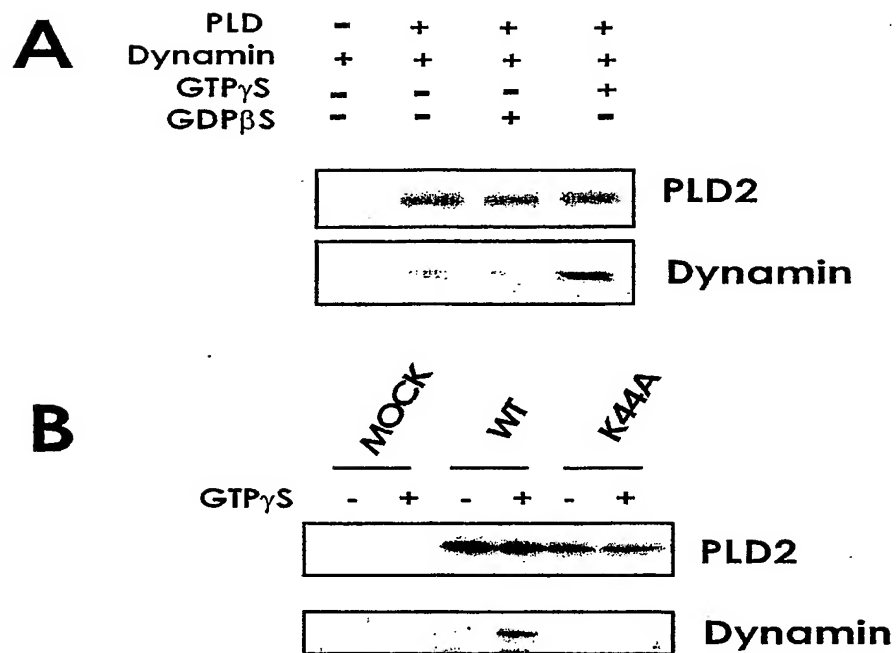
15/28

FIG. 15B



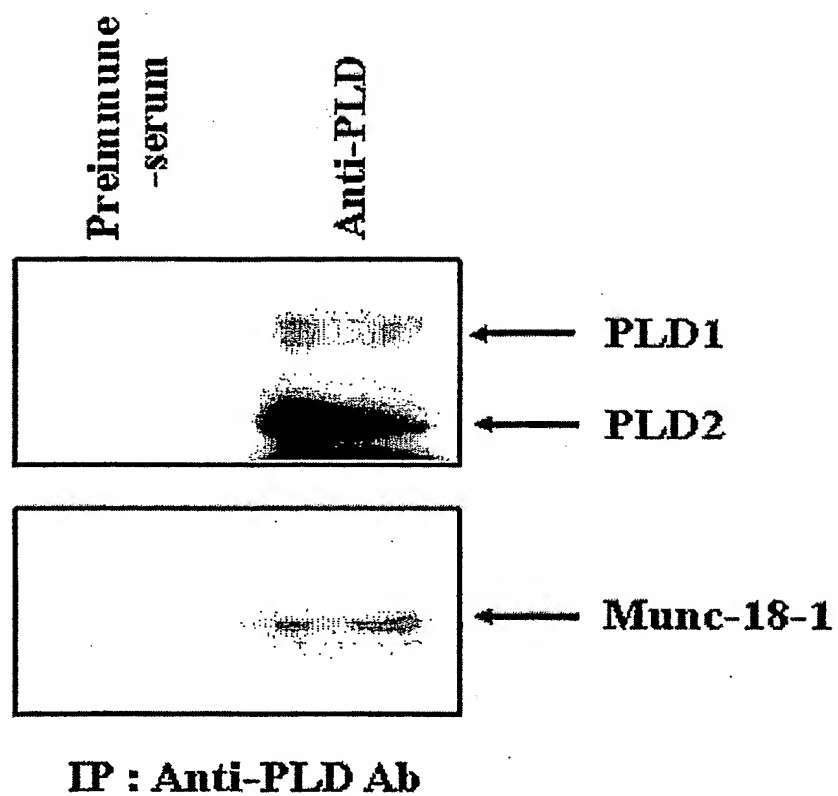
16/28

FIG. 16



17/28

FIG. 17

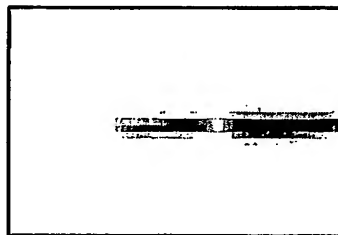


18/28

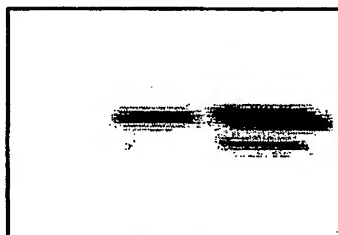
FIG. 18

Immunoblot 0 6 12 - PLD2 (nM)

PLD2



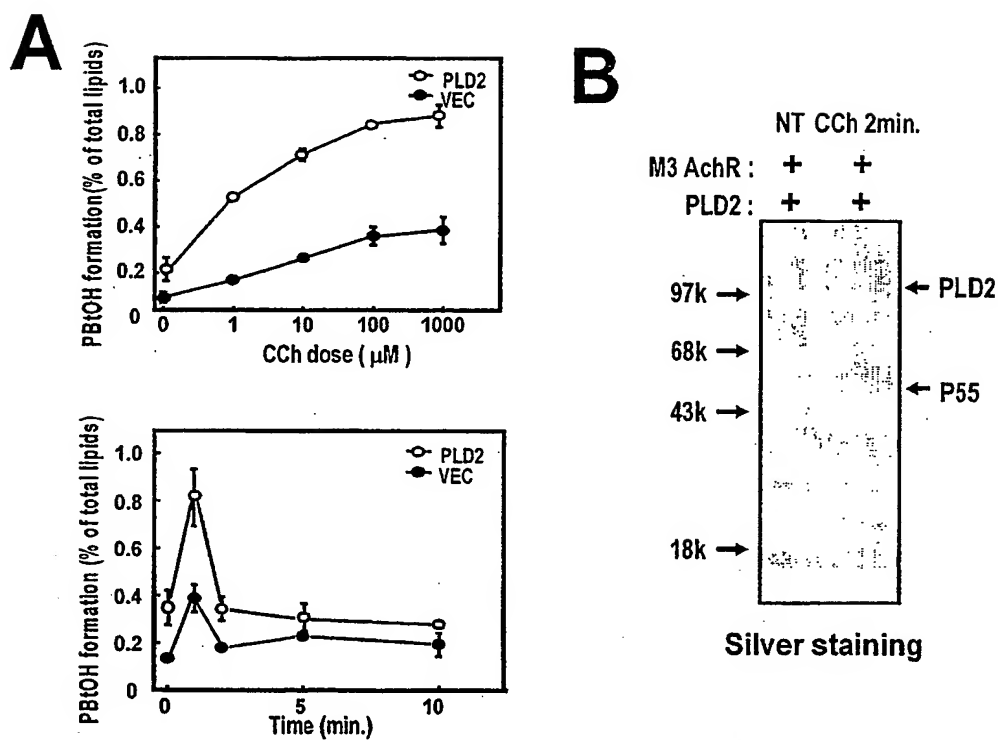
Munc-18-1



IP:Anti-PLDAb

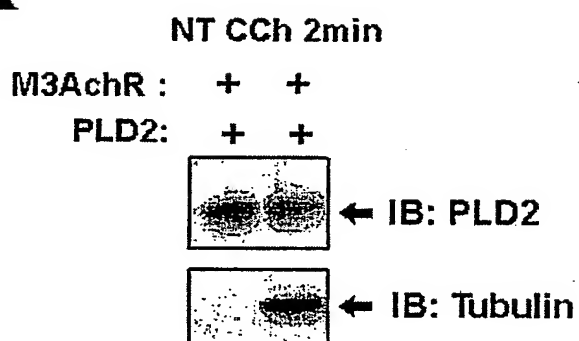
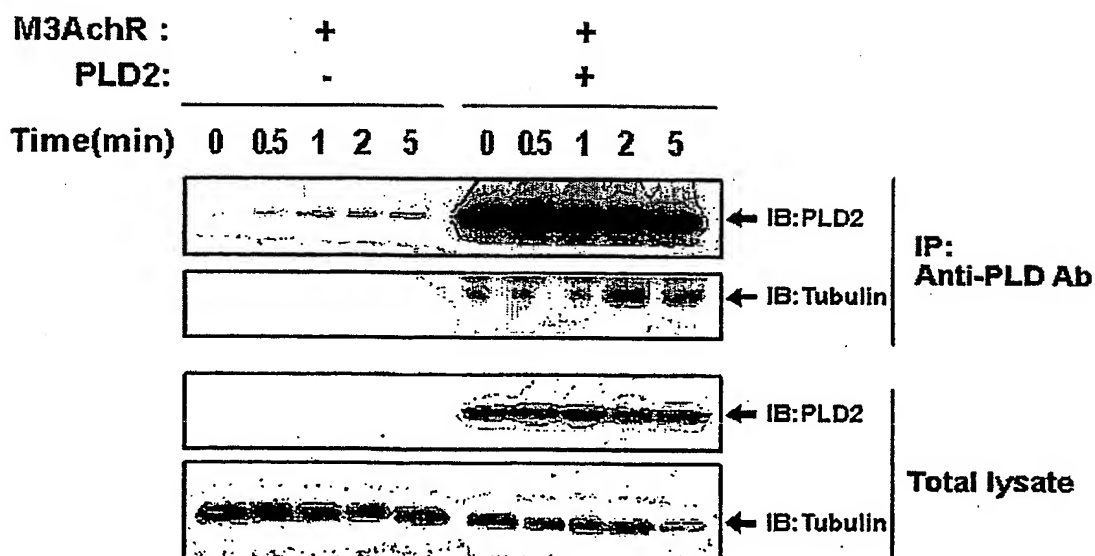
19/28

FIG. 19



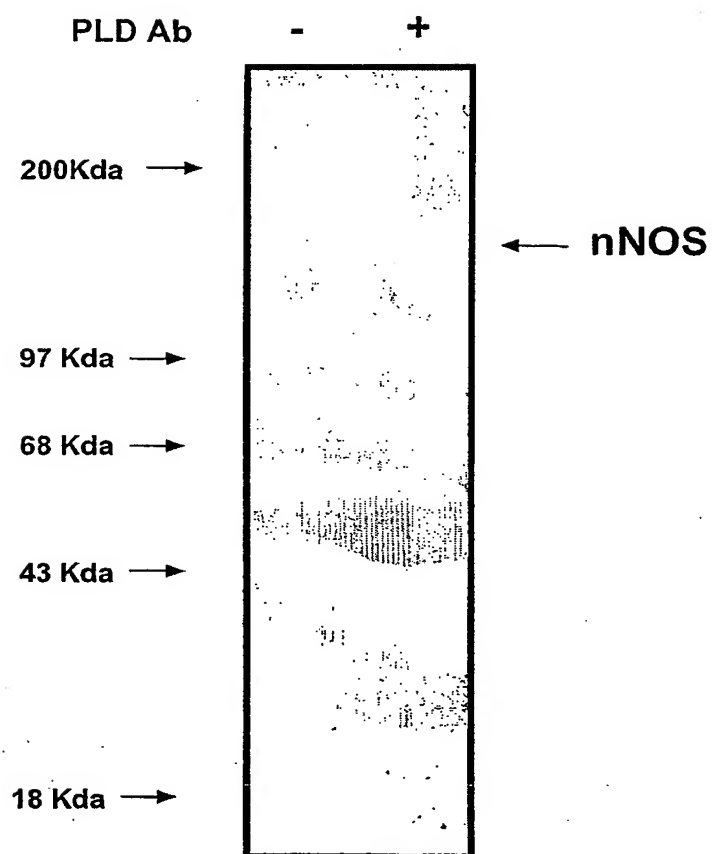
20/28

FIG. 20

A**B**

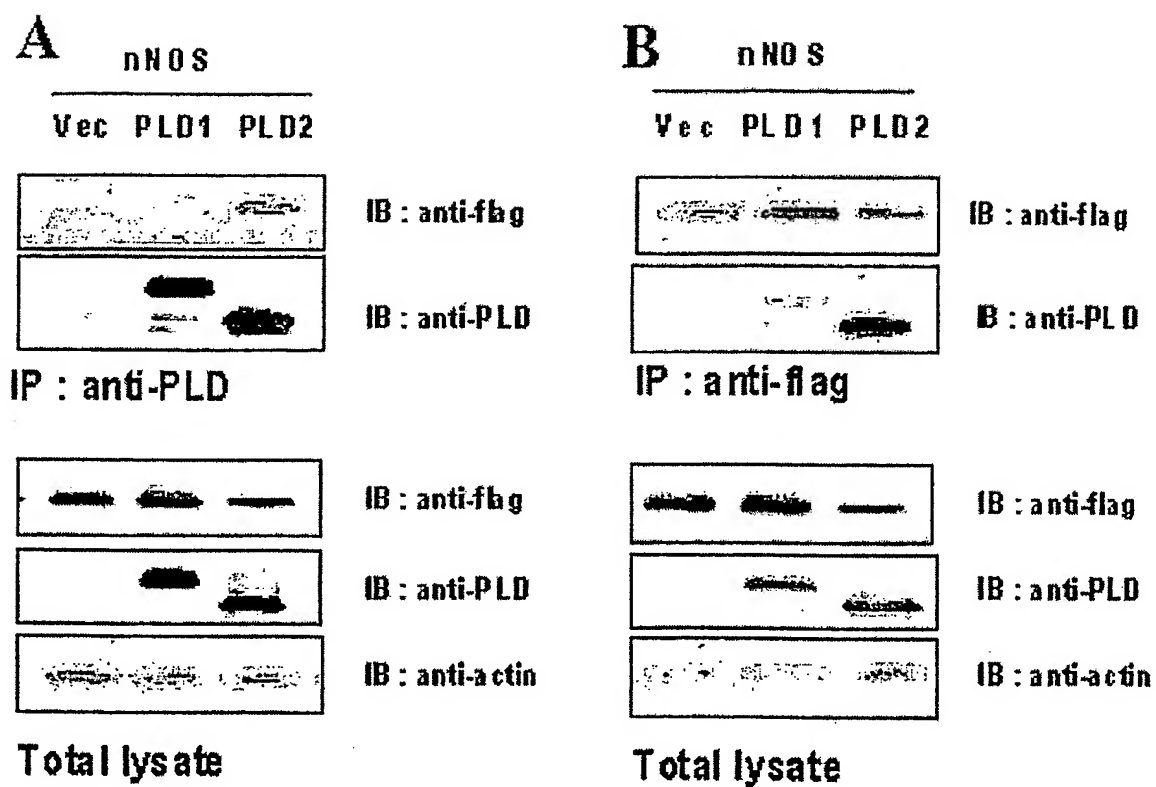
21/28

FIG. 21



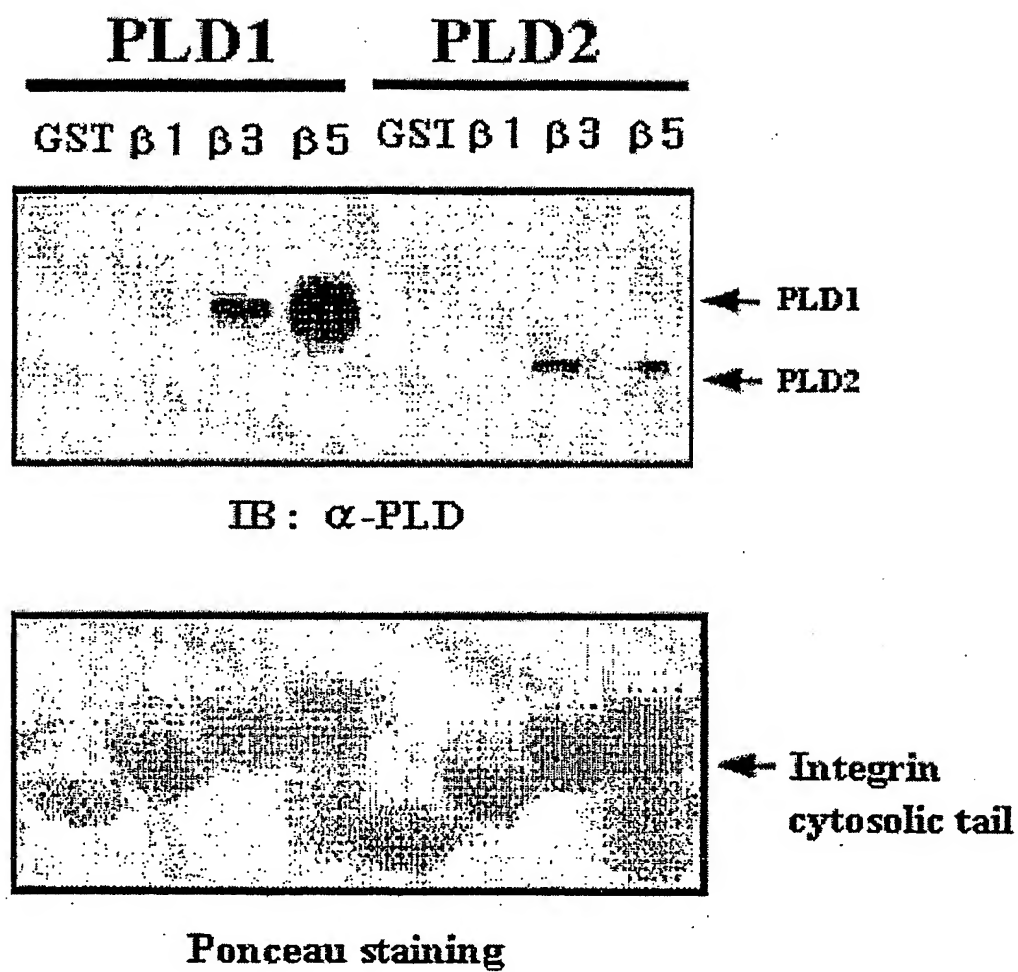
22/28

FIG. 22



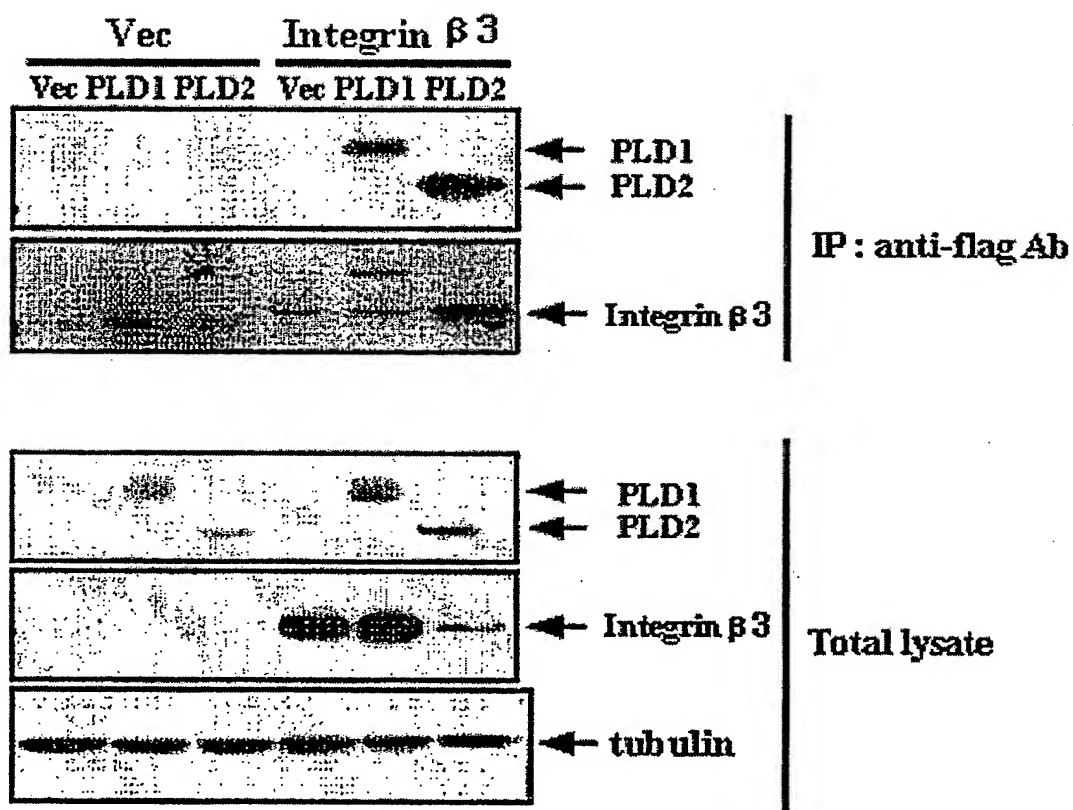
23/28

FIG. 23



24/28

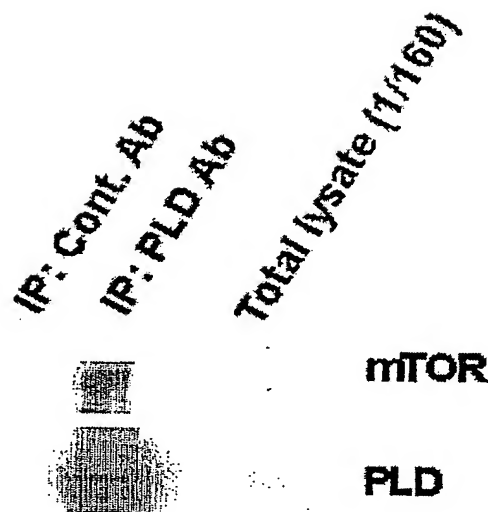
FIG. 24



25/28

FIG. 25

A



B

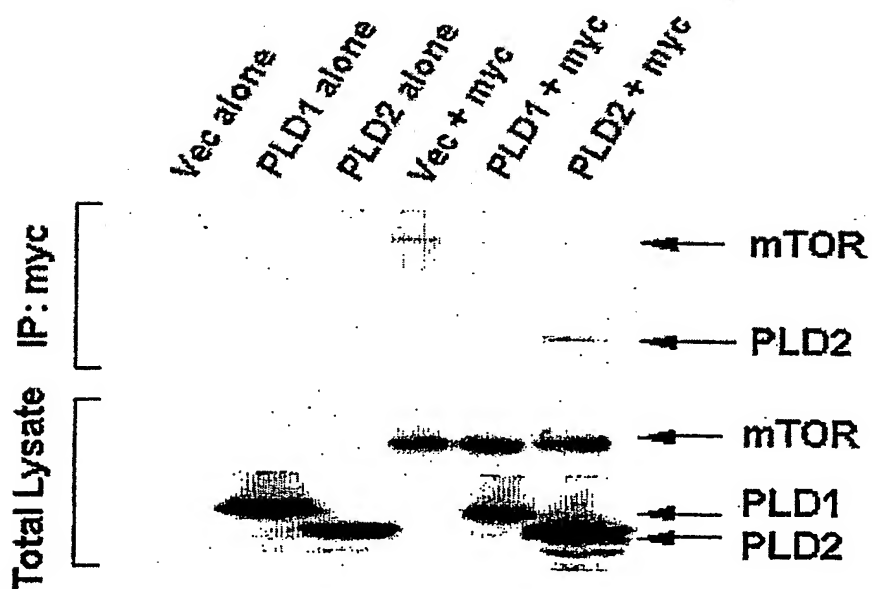


FIG. 26A

```

PLD1      -GCP1KAQVLEVERFTSTTRVPSINLYTIELTH-GEFKWQVKKRKFKFQEFHRELLKKYKA
p47phox   -IALLGFEKAFYVPSQHYVVMFLWKWOD-----LSEKVVYRAFTETVEFHKTLKEMFP
cisk       -VSI PSSDEHREKKKRAFTVYVKLVSYG-----RSCWVYFRAYACVDKLYNTLKKQFP
snx1      -LT VGI TDPEKIGDGMNAYVAYKYTTQTSLPLFRSKQFAVKRRFSDFLGLYEKISEKHS
fish       -VQDATYVDVEKRAKSPKHHVVIINVTWSD-----STSQTIVRRYSKFDOLQNLQDLKFP
p40        -ANIADIEEKRGTSHFVYVIEYKTKG-----GSKYLIYRRYRQFHALQSKLEERFG
vad7       MAANSYVKMSEKLRIKYDDVKINPKYVLYGVS-----TPNKALYKRYSEFWKLTALERDVG
           ;               : : : . . : *

PLD1      FIRIPIPTFRHTFRQNYVREEPRENPSLPRSSENMIRE--EQFLGRKQLEDYLTKIUKM
p47phox   IEAG--AIN-----PENRIIPHLPAKPWFQGR--AABIRQSTLTVEYCSLMSL
cisk       -----AMALK--IPAKRIFGDNFDPDFIKQRRAGLNEFIQNLVRY
snx1      QNGFIVPPP-----FEKSLIGMTKYKYGKEOSSAEFLEKRAALERYLQRIYNH
fish       IEGG--QKO-----PKQRIIPFLPGKILFRSHIADVAYKLRPIDEYCRALYRL
p40        -PDS--KSS-----ALACTLPLPAKYVYGKQ--EIAENRIPALNAYMKSLLSL
vad7       STI--PYD-----FPEKPGYLDRAWQARYDCEPEMIDERRIGLEERFLNELYND
           +               : : :

PLD1      P--MYRNYHATTEFLDISQLSF--
p47phox   PT--KISRCPHLLDFKYRFDDLKLP
cisk       P--ELYNHPDVRAFLQ-----
snx1      P--TMLQDPDVREFL-----
fish       PP--HISQCDEVFRFE-----
p40        PV--WVLMDEDVRIFFYQSPYDSEQV
vad7       RFDNRWRDTKIAQDFLQLSK-----

```

27/28

FIG. 26B

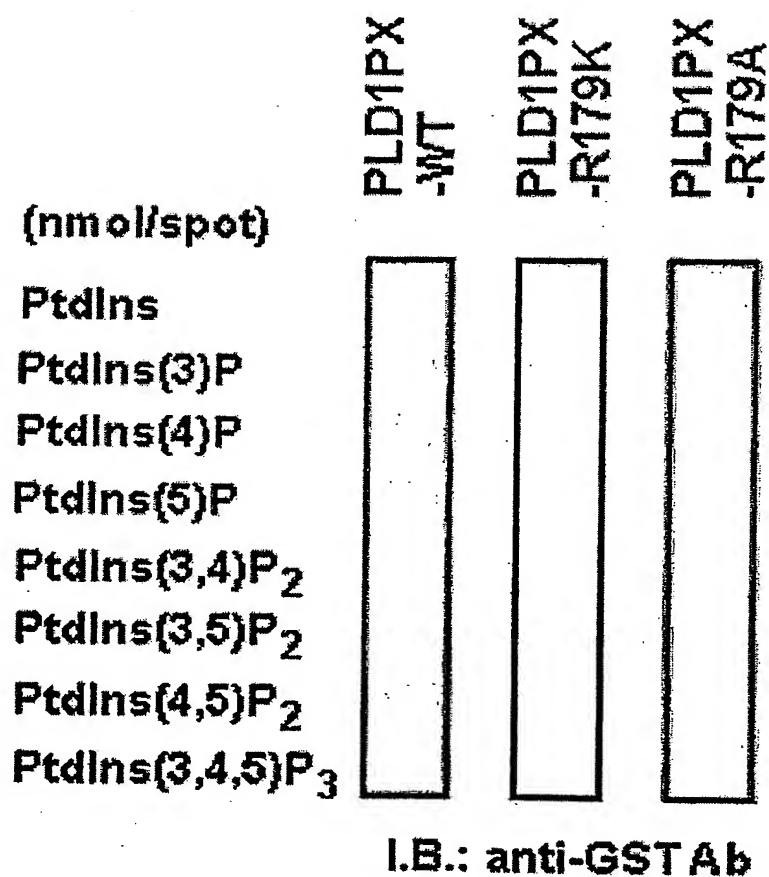
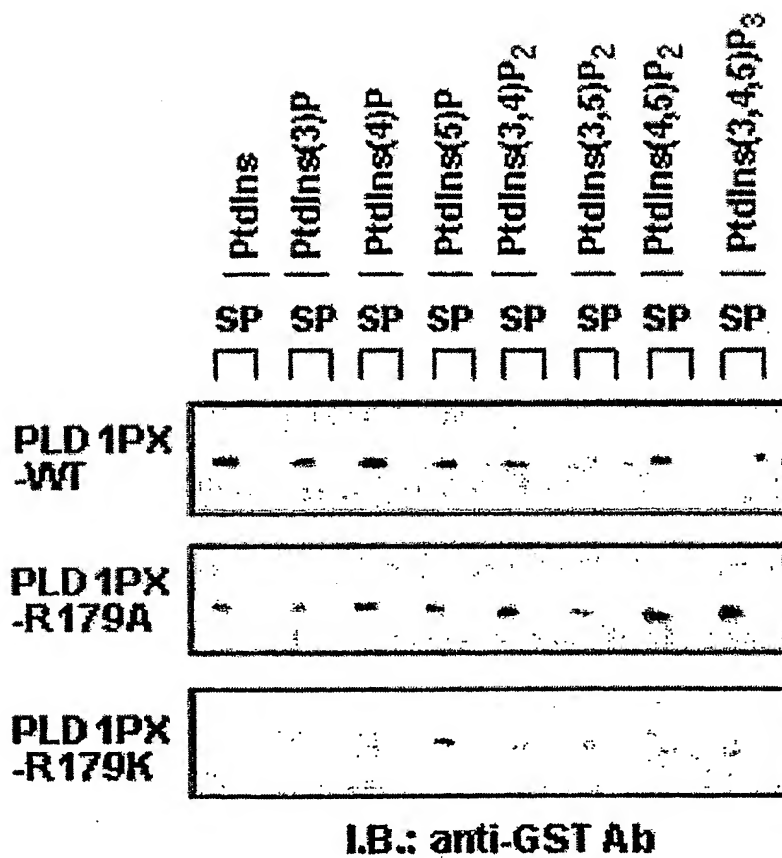


FIG. 26C



**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ BLACK BORDERS
- ☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
- ☐ FADED TEXT OR DRAWING
- ☒ BLURRED OR ILLEGIBLE TEXT OR DRAWING
- ☐ SKEWED/SLANTED IMAGES
- ☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS
- ☐ GRAY SCALE DOCUMENTS
- ☒ LINES OR MARKS ON ORIGINAL DOCUMENT
- ☐ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
- ☐ OTHER: _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.